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OPS 62-11066
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PL-480

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A. Hliniak, 11 pp.
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OTS 63-III-409/6
PL-480

Sci - Biol & Med Sci
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OTS 63-11409/6
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Sci - Biol & Med Sci
Aug 64

264,302

The Technique of Hypophysis Destruction With
Yttrium 90 in the Light of Own Experience, by
C. Goraki, Z. Malinowski, 10 pp.
POLISH, per, Nowotwory, Vol XIII, No 1, 1963.
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Sci - Biol & Med Sci
Aug 64

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Mortality From Leukemia in Poland in the Years
1950-1959 With Consideration of Certain Problems
of Epidemiology, by P. Rattka, 15 pp.
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Nov 64
Avail From LY/Serials

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(2) Part V. The Principal Materials by the Railway Administration. Chap I. Raw Materials and Markets; Chap II. Fuels and Lubricants; Chap III. Products of the Siderurgical Industry; Chap IV. Metals and Non-ferrous Products. Chap V. Timber and Cross Ties,
(See G-593 A 3-4). UNCLASSIFIED

Full translation.

ITALIAN, manual, Notizie sul servizio approvvigionamenti
pede centrale, by Cesare Anetrini, 1952.

G-2, GSUSA G-593-4 2

WEur - Italy
Economic - Transportation, fuels

Jul 53 CTS

4003

(3) Part VII, Procedures for the Purchase and Placing of Supplies. Chap I. Instructions Concerning the Principal Systems Followed for Making Purchases;
(4) Part VIII. Chap III. Acceptance Tests, 55 pp.
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G-2, GSUSA G-593-A 3-4

WEur - Italy
Economic - Transportation, rail

Jul 53 CIS 4004

(1) Part II, The Supply Service in the Railway Administration. Chap I. The Organization of Supplies in the State Railways; Chap II. Supplies in the Case of Some Foreign Railway Administration, (see G-593 A (3-4), UNCLASSIFIED

Full translation.

ITALIAN, manual, Nozione sul servizio approvvigionamenti sede centrale, by Cesare Anetrini, 1952.

G-2, GSUSA G-593-A 1

WEur - Italy
Economic - Transportation, rail, supplies
Jul 53 CTS

400 8

400 8

Corsepius, M. and Vogt, K.
OBSERVATIONS ON AND EXPERIENCES WITH THE
TOM (TELETYPE ON MULTIPLEX EQUIPMENT) ON
SHORT WAVE LINKS AT THE RADIO STATION
FRANKFURT ON THE MAIN. [1962] 8p. (tables
figs, refs, omitted).

Order from SLA \$1.10

62-16945

Trans. of NTZ [Nachrichtentechnische Zeitschrift]
(West Germany) 1956 [v. 9] no. 2, p. 55-59.

DESCRIPTORS. Teletype systems. *Radio teletype
systems. *Radio transmission. *Multiplex transmis-
sion. Errors. Radio stations. Germany.

This paper is a report of observations on and exper-
iences with TOM equipment (teleprinter system em-
ploying time multiplex modulation with error compen-
sation) used in the short-wave radio links at the over-
seas radio receiver station Eschborn of the Federal
German Post Office. (Author)

62-16945

- I. Title: TOM equipment
- II. Corsepius, M.
- III. Vogt, K.

III. Title: Teletype ...

(Research Methods--Communication Theory--TE vs. S, n, ID)

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A New Standing Wave Indicator for Di-electric Surface Wave-Guides, by
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NASA TT F 12993

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A Geometric Interpretation of Some Results
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Sci
Vol IV, No 9
Mar 62

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Detxler, A. and Rusch, E.
MATHEMATICAL AND STATISTICAL APPROACHES
TO LIFE MEASURES, AND THEIR APPLICATION
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Order from SLA \$1.60

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I. Detxler, A.
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Radar Cross Section and Reflection Characteristics of Radar Reflectors and Flying Targets. Part 1: Basic Relationships,
by P. J. Muenzer.
GERMAN, per, Neue Technische Zeit, No 4,
1964, pp 201-205.
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Available from NTC

June 69

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Radar Cross Section and Reflections Characteristics of radar Reflectors and Flying Targets. Part III: Omnidirectional Reflectors of Dielectric-Lens Type, by P. J. Muenzer.
GERMAN, per, Neue Technische Zeit, No 6,
1964, pp 287-291.
(240)-68-439-GELL - MIT/Lin Lab
Available from NTC

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June 69

Radar Cross Section and Reflection Characteristics of radar Reflectors and flying Targets. Part IV: Spherically Symmetrical Dielectric Lenses, by

P. J. Meunzer.
GERMAN, per, Neue Technische Zeit, No 7,
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June 69

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Growth as a Factor Determining the Most
Economic Form of Telecommunication Networks,
by K. H. Lrabowski, B. Hess.
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Aug 67

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SALYRGAN R. Nuclear-Medizin, v. 2, p. 71-79, 1961.
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Order from NTC as 70-13336-06R: HC \$ 7.60, MF \$ 5.80.

Catalysis and Stereospecific Polymerization,
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A. Kirchenmayer and G. Kaurz. 12 pp.

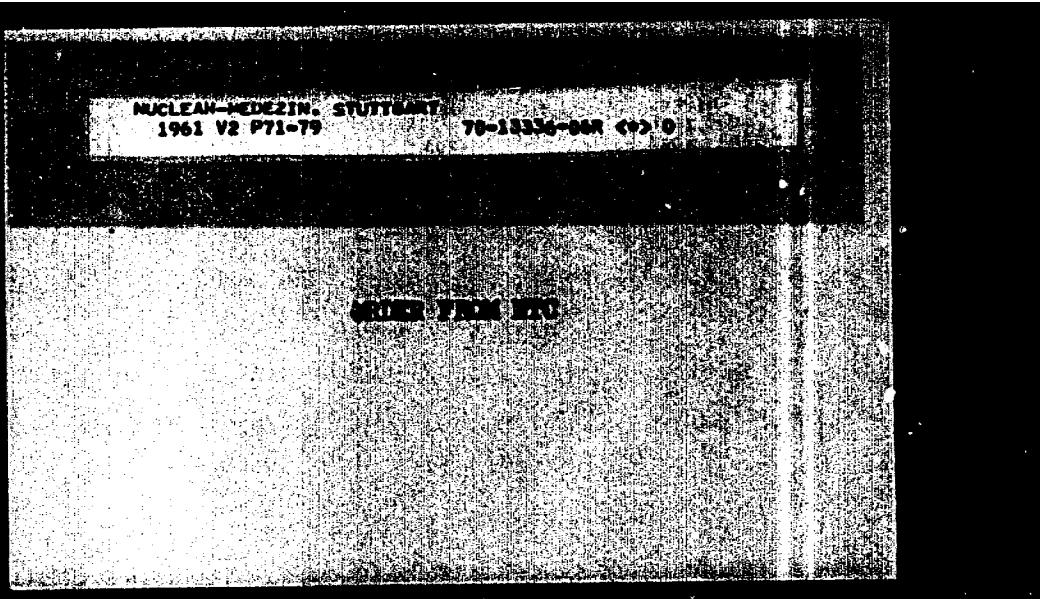
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Outlined, 14 pp.
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by P. Vila, J. M. Botero. UNCOLLECTED

SPANISH, bk, Nueva Geografia de Colombia, Bogota, 1945 (Vila), p 51-58, 65-74, 85-89, 159-161, and
Geografia de Colombia, II Bogota, 1939 (Botero),
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Aluminum Corrosion in Water-Cooled Reactors, by
K. H. Buob, E. Schenker, 15 pp.

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AEC Tr-4878

Sci - Chem
Mar 62

186, 518

<p>FABRICATION OF SWAGED UO₂ FUEL ELEMENTS. Quarterly rept. no. 6, 1 Oct-31 Dec 61. [1962] [31] p. Order from OTS or SLA \$3.60 EURAEC-238</p> <p>Trans. of a rept. from Nuklear-Chemie und -Metallurgie G.m.b.H., Wolfgang bei Hanau am Main (West Germany) n.d.</p> <p>DESCRIPTORS: *Reactor fuel elements, Fuel elements, *Uranium compounds, *Dioxides, Powder metallurgy, Forging, Reactor fuel cladding, Reactor materials, Tests.</p> <p>Melted UO₂ powder, specially precipitated powder and temperature post-treated powder were used for swaging tests. When melting the UO₂ powder, the burn-out of the tungsten electrodes can be diminished by increasing the hydrogen flow in the melting furnace. V2A tubes, (Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 5) (over)</p>	<p>63-13128</p> <p>I. EURAEC-238 II. EURATOM (Belgium)</p> <p>Office of Technical Services</p>	
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Himmelstein, P[aul], Hofmann, F[riedrich] and others.

[PREPARATION] OF URANIUM AND MIXED CARBIDES AND UC-BASED CERMETS, CORROSION PROCESSING AND PROPERTY TESTS. Quarterly rept. no. 4, Apr-June 61. [1962] 8p.
Order from OTS or SLA \$1.10 EURAEC-124

Trans. of rept. from Nuklear-Chemie und Metallurgie G.m.b.H., Wolfgang bei Hanau a. M. (West Germany) 31 July 61.

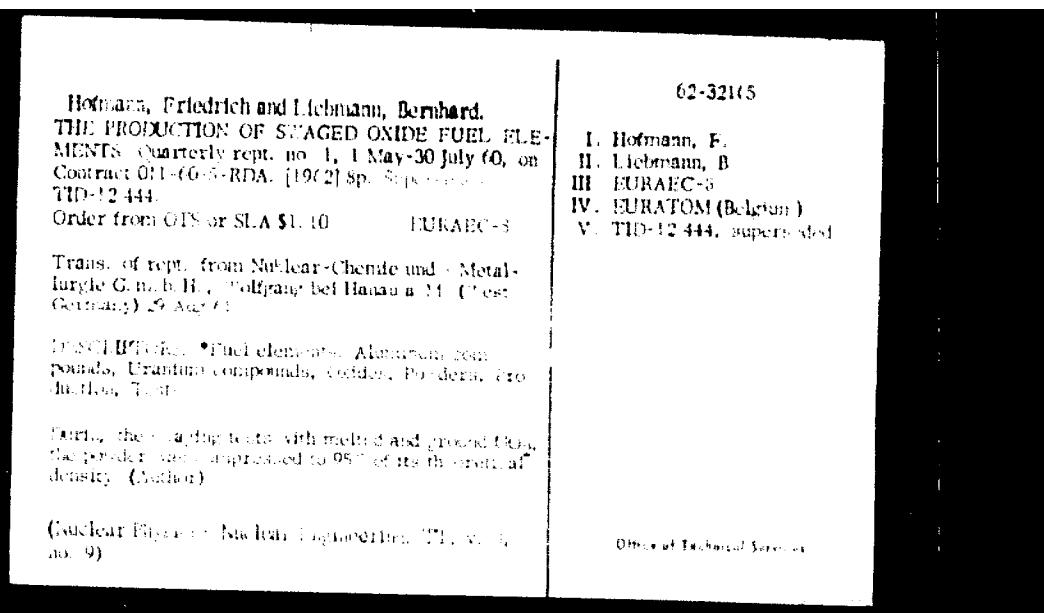
DESCRIPTORS: *Uranium compounds, *Carbides, *Graphite, *Cermets, Corrosion inhibition, Production, Pellets, Melting, Electrodes, Machining, Solid state physics.

The tests for the fabrication of uranium carbide from uranium oxide and graphite were continued. The construction of a semi-continuous furnace to test the re-(Nuclear Physics and Nuclear Chemistry, TT, v. 8, no. 9)

62-32176

- I. Himmelstein, P.
- II. Hofmann, F.
- III. EURAEC-124
- IV. EURATOM (Belgium)

Office of Technical Services



Himmelsheim, Paul and L.I. Friedman, Bertrand.
[PREPARATION] OF URANIUM AND MIXED CARBIDES, AS ALSO OF CERMETS MANUFACTURED FROM URANIUM CARBIDE. INCREASE IN THE RESISTANCE TO CORROSION AND THE EXAMINATION OF THE PROPERTIES OF THESE PRODUCTS.
Quarterly report no. 1, 1 May-30 July 60. [1962] 6p.
Supersedes 1-1.

Order from CIA at CIA \$1.60 EURAPC-20

Transl. of report by Max Kasten, Chem.-Phys. Inst., Univ. of W.Mengen bei Hanau, M. (West Germany) 29 Aug 60.

DESCRIPTORS: *Uranium compounds. *Carbides.
*Cermets. Corrosion inhibition. Production. Fuel rods. Electric furnaces. Powders.

(Nuclear Physics to Nuclear Chemistry, I.P. v. 5, no. 9)

62-32167

I. Himmelsheim, P.
II. Friedman, B.
III. URANIUM CARBIDE
IV. URANIUM CERMETS
V. THE CERMETS

Office of Technical Services

Hinzelstein, Paul and L. Liebmann, Bernhard,
PREPARATION OF URANIUM AND MIXED CARBIDES AND OF UC-CERMETS. IMPROVED RESISTANCE TO CORROSION AND INVESTIGATION OF THE PROPERTIES. - Quarterly rept. no. 2 on Contract 312-60-EURDA (1962) (1p). Supersedes TD-12443
DOD: DODR OIN or SEA \$1,10 EURAEC-69

Institut für Anorganische Chemie und Metallurgie, Göttingen; Wolfgang B. Enders, M. (West Germany); 10 Nov. 60

MSC: Materials, Carbide compounds, Carbides, Ceramics, Cermet materials, Production, Manufacturing

See also: 10-11-11

Chem. Phys. Institute, Nuclear Chemistry, Tbilisi, S. Georgia

67-12166

I. Hinzelstein, P.
II. Liebmann, B.
III. EURAEC-69
IV. EURATOM (Belgium)
V. TD-12443, superseded

Office of Technical Services

Himmelstein, P., Liebmann, B., and Schäfer, L.
DEVELOPMENT OF UC-BASED URANIUM CARBIDES
AND CERMET FABRICATION PROCESSES. Quarterly
rept. 6, 1 Oct-31 Dec 61, on Contract EUR/C/659/62 c.
[1962] 10p.

Order from OTS or SLA \$1.10

BURABC-232

Trans. of a rept. from Nuklear-Chemie und -Metallurgie
G.m.b.H., Wolfgang bei Hanau am Main (West
Germany) n. d.)

DESCRIPTORS: *Fuel rods, *Uranium compounds,
*Carbides, *Cermets, Production, Carbon, Chemical
analysis, Particles, Pellets, Chemical reactions, Mold-
ing materials, Graphite, Smelting, Furnaces, Casting,
Extrusion, Mechanical properties

It was shown that UC samples for use in carbon analysis
must be comminuted under dried protective gas,
since the C- values obtained by mortar-grinding in air
(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 12)
(over)

63-15079

- I. Himmelstein, P.
- II. Liebmann, B.
- III. Schäfer, L.
- IV. EURABC-232
- V. EURATOM (Belgium)

Office of Technical Services

<p>Hofmann, Friedrich and Liebmann, Bernhard. HOT SWAGING OF URANIUM OXIDE FUEL ELEMENTS. Quarterly rept. no. 2, 1 Aug-31 Oct 60, on Contract 011-60-5-RDA. [1962] 10p. Supersedes TID-12445. Order from OTS or SLA \$1.10 EURAEC-9 Trans. a. rept. from Nuklear-Chemie und -Metallurgie G.m.b.H., Wolfgang bei Hanau a. M. (West Germany) [1961]. DESCRIPTORS: *Fuel elements, Uranium compounds, Oxides, Powders, Production, Tests, Temperature In the period under review, swaging experiments were made with the new powders, various intermediate annealings were tried, the reduction of the swaging density was investigated, hot-swaging experiments were started and further experiments with swaging heads of various shapes were prepared. (Author) (See also 62-32165)</p>	<p>62-32022</p> <p>I. Hofmann, F. II. Liebmann, B. III. EURAEC-9 IV. EURATOM (Belgium) V. TID-12445, superseded</p> <p>(Nuclear Physics--Nuclear Engineering, TT, v. 8, no. 9) Office of Technical Services</p>
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<p>Hofmann, F[riedrich] and Liebmann, B[ernhard]. HOT SWAGING OF URANIUM OXIDE FUEL ELEMENTS. Quarterly rept. no. 3, Jan-Mar 61, on Contract EUR/V/2027/61 n. [1962] 15p. Order from OTS or SLA \$1.60 HURAEC-60</p> <p>Trans. of rept. from Nuklear-Chemie und -Metallurgie G. m. b. H., Wolfgang bei Hanau a. M. (West Germany) 17 May 61.</p> <p>DESCRIPTORS: *Fuel elements, Uranium compounds, Oxides, Powders, Production, Tests, Temperature</p> <p>Activities consisted mainly in hot-swaging tests in the 450 to 900°C temperature range. The swaging densities thus achieved were, according to the UO₂ powder used, from 4 to 7% above those obtained under comparable conditions by cold swaging. Powder prepared by melting and grinding was successfully compacted (Nuclear Physics--Nuclear Engineering, TT, v. 8, no. 9) (over)</p>	<p>62-32158</p> <p>I. Hofmann, F. II. Liebmann, B. III. HURAEC-60 IV. EURATOM (Belgium)</p> <p>Office of Technical Services</p>	
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<p>Kroll, H., ed. FABRICATION OF SWAGED FUEL ELEMENTS. Quarterly rept. 8, 1 Apr-30 June 62, on Contract 062-61-7 RDD. [1962] 33p. Order from OTS or SLA \$3.60 EURAEC-372</p> <p>Trans. of a rept. from Nuklear-Chemie und -Metallurgie G.m.b.H., Wolfgang bei Hanau a. M. (West Germany) n. d.</p> <p>DESCRIPTORS: *Reactor fuel elements, Fuel elements, *Uranium compounds, *Dioxides, Powder metallurgy, Reactor fuel cladding, Melting, Vibration, Tests, Tools, Mechanical working, Material forming.</p> <p>Topics include: UO₂ melting (Fabrication of G powder); cladding material; pre-compacting by vibration; swaging tests; and tests on the swaged fuel element (O/U ratio; density measurements, metallographic investigations, heat conductivity measurements). (See also EURAEC-323)</p>	<p>63-15801</p> <p>I. Kroll, H. II. EURAEC-372 III. European Atomic Energy Community, Brussels (Belgium)</p> <p>(Nuclear Physics--Nuclear Engineering, TT, v. 10, no. 9 Date of technical service</p>	
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Comparative Investigation on the Graphite
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G.M.B.G, Dec 1961.

AEC Tr-5211

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Essentials of Renal Scintigraphy With Hg²⁰³-Salyrgan,
by K. zum Windfuhr, K. E. Scheer, 12 pp.

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Vol II, 1961, pp 71-79.

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Sci - Chem
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The Enrichment of Uranium Isotopes in the Gas Centrifuge, by W. Groth, 12 pp.

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Oct 59

On the Measurement of the Diffusion of Thermal Neutrons in Water and Paraffin With a Pulse Source, by W. E. Dic. 11 pp.

REF ID: A6200
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6002070

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Sci - Phys

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Natural Radieactivity in Water, by H. Kiefer,
R. Maushart, 11 pp.

GERMAN, per, Nukleonik, Vol I, No 1, 1958,
pp 22-28. 9076070

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Sci - Nuc Phys

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The Problem of Radiation Influence of Solid Bodies,
by K. Lintnermeier, E. Schmid, 30 pp.

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SCL T-271

Sci - Rad Phys
Jan 60

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Research on the Inelastic Moderation of Fast
Neutrons, by T. Springer, 19 pp.

Chemical Phys., Warszawskie, Vol I, No 2, Jul 1958,
pp 11-28. 0092931

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Dec 61

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Resonance Absorption in Heterogeneous Systems,
by G. Memmert, 27 pp.

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ABC AERE-Trans-853

Sci - Mag Phys
17 Mar 61

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The P_{11} Method of Solving the Neutron Transport
Equation, by H. Koppe, G. Blasser, 11 pp.
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AEC NP-Tr-322

Sci - Nuc Phys

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~~Diffusion of Decayed Xenon in Uranium Oxide~~, by F.
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GERMAN, per, Nukleonik, Vol I, No 2, 1958, pp 66, 67.

AMIS-20L30G

Sci - Chem
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CEA-tr-A-937 Uncl.

LA DIFFUSION DANS L'OXYDE D'URANIUM DU
XENON-133 PROVENANT DE LA FISSION. (Diffusion
in Uranium Oxide of Xe-133 Produced by Fission).
F. Felix. Translated into French from
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Fission Products; Reactor Fuels; Translations
MC-34

C-34 NP NSA Dep.(mc)

N-3

REVISED CARD

<p>Croth, W[ilhelm]. THE ENRICHMENT OF URANIUM ISOTOPES IN THE GAS CENTRIFUGE, tr. by S. Rigby. 1969 [12p. st ref. IGRL-T/CA-160. Order from OIS or SLA \$1.10 61-13737 Trans. J Nuklearik (West Germany) 1958, v. 1 [no. 2] p. 68-73. DESCRIPTORS: *Uranium, Separation *Radioactive Isotopes, Centrifuges.</p>	<p>61-13737 I. Croth, W. II. IGRL-T/CA-163 III. DSIR Llu M. 2249 IV. United Kingdom Atomic Energy Authority (Ge. Brk.) 1 A 1 (1, 1) Office of Technical Services B-14-61</p>
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A New Large Capacity Continuous Counter for
Improved Determination of Gross Radioactivity
in Water According to the Vapor Method, by Hans
Kiefer, Rupprecht Mauchart, 10 pp.

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AEC/EW Tr 2

Sci - Electron

JUN 59

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Critical Comments on the Estimation of Radioactive Contamination Based on Total Activity Measurements,
by G. Hermann, H. Hauser, H. T. Riedel.

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POLISH, per, Nukleonik, Vol I, No 8, 1958, pp 305-314.

*AEC

Sci
Apr 60

Chemical Dosimetry of γ - and X-Rays, by D.
Bertram.

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OTIA 12602

Sci - Chem
Jan 62

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Estimation of the Temperature Increase of Thermal
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Reactors, by Albert Muller, 12 pp.

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Sci - Nuc Phys
Aug 60

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A High Current Generator for Ion and Electron Beams,
by H. Frohlich, *Fortschritte der Physik*

GERMAN, per, Nukleonik, Vol I, No 1, 1959,
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*ATIC
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EEur - German

Engr

30 Mar 61

C-584

A High Current Generator for Ion and
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pp 183-188.

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Jul 61

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CEA-tr-A-938 Unc1.

GENERATEUR DE FAISCEAUX ELECTRONIQUES ET
IONIQUES DE HAUTE INTENSITE. (Generator for
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H. Froelich. Translated into French from
Nukleonik, 1: No. 5, 183-8(1959). 29p.

Particle Physics; Translations MC-34

C-34 NP NSA Dep.(mc)

Filtre Electrostatique Pour la Separation des
Aerosols Radioactifs, by W. Riesler, W. Kern,

~~EE~~

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Jul 62

About a Method for the Experimental Determination
of the Flux Distortion in a Heterogeneous Reactor
Structure, by A. Ziegler, 39 pp.

GERMAN, per, Nukleonik, Vol 8 I, 1959, pp 295-305.

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Sci - Phys
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Critical Comments on the Estimation of
Radioactive Contamination Based on the Measurement
of Total Activity, by G. Herrmann, H. Hauser, H. J.
Riedel, 33 pp.

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AIC AERE-Trans-851

Sci - Nuc Phys
14 Mar 61

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Measurement of Low α - and β -Activities in Water,
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POLISH, per, Nukleonik, Vol I, 1959, pp 319-324.

AEC UCRL-Trans-548(L)

Sci - Nucl Phys
9 Jan 61
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The Absolute Standardization of Radioactive
Isotopes Which Decay by Electron Capture, by D. H.
Vincent,

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ABC AECL-1032

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Resonance Flux Measurements With Activation Probes,
by Wolfgang Manner, Tasso Springer, 15 pp.

POLISH, per, Nukleonik, Vol I, 1959, pp 337-341.

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